Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/03/2014 01:06 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/27/2014 10:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 57599, Expiration Date: 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124159	-1	1.31	123954	1.05
Blue	F	SSC	125000	122965	-2	3.08	122739	2.50
Blue	E	FITC	20974	20261	-4	1.77	918	7.75
Blue	D	PE	25516	25287	-1	1.39	942	7.15
Blue	B	PerCP-Cy5-5	47091	46526	-2	2.61	1590	11.66
Blue	A	PE-Cy7	41727	40935	-2	4.46	893	21.60
Red	C	APC	51192	50229	-2	2.26	2937	8.39
Red	A	APC-Cy7	50012	49636	-1	2.69	1561	8.53
Violet	B	V450	15453	15127	-3	1.57	910	5.76
Violet	A	V500	60987	60112	-2	1.37	2912	3.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20366	2.47	559	0	N/A	N/A	Pass
Blue	F	SSC	60088	1.39	471	8	N/A	N/A	Pass
Blue	E	FITC	113	28.00	502	3	0.0374	0	Pass
Blue	D	PE	209	20.54	491	4	0.2961	190	Pass
Blue	B	PerCP-Cy5-5	217	32.76	569	2	0.0172	76	Pass
Blue	A	PE-Cy7	80	76.45	621	1	0.0240	24	Pass
Red	C	APC	332	24.04	565	4	0.0259	49	Pass
Red	A	APC-Cy7	133	32.39	545	5	0.0072	1588	Pass
Violet	B	V450	95	34.55	446	9	0.0832	2653	Pass
Violet	A	V500	200	19.31	477	9	0.0234	847	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.76	-31.65	0.93
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.26
Red	17.76	13.07 - 19.61	N/A	N/A	32.12	32.36	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13231

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments